

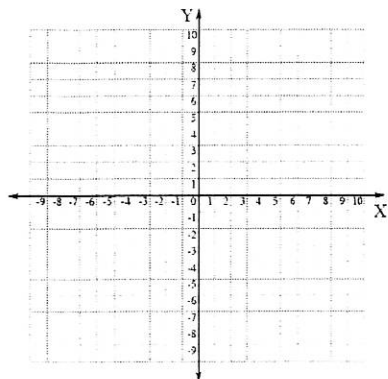
Algebra 2
Quadratic Functions WS

Name _____

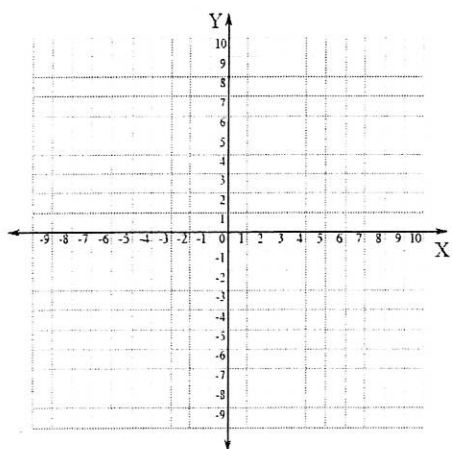
E.P.

For each function, give the equation of the axis of symmetry, the coordinates of the vertex, and the x- and y-intercepts. Sketch the graph of each function.

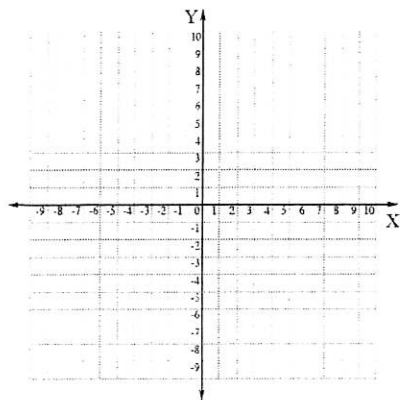
1) $y = x^2 + 6x$



2) $y = -2x^2 - 8x$



3) $y = x^2 - 6x + 9$



For each function, give the equation of the axis of symmetry, the coordinates of the vertex, and the x- and y-intercepts.

4) $y = x^2 - 4x$

5) $y = -3x^2 + 10x$

6) $y = -4x^2 - 4x + 3$